Author index

Albertini-Berhaut, J., see Drai, P. (1022) 251
Almeida, L.M., see Antunes-Madeira, M.C. (1022) 110
Amiel, C., see Friedlander, G. (1022) 1
Antunes-Madeira, M.C., Almeida, L.M. and Madeira, V.M.C.
Effects of lindane on membrane fluidity: intramolecular excimerization of a pyrene derivative and polarization of diphenylhexatriene (1022) 110
Aoyagi, H., see Ono, S. (1022) 237
Aran, J.M., see Plagemann, P.G.W. (1022) 103
Aran, J.M., see Plagemann, P.G.W. (1022) 93
Aranda, F.J., see Micol, V. (1022) 194
Arnold, K., Zschoernig, O., Barthel, D. and Herold, W.
Exclusion of poly(ethylene glycol) from liposome surfaces (1022) 303
Atlante, A., see Passarella, S. (1022) 273

Banfić, H., see Hadžić, A. (1022) 265
Barile, M., see Passarella, S. (1022) 273
Barker, R., see Wyse, J.W. (1022) 87
Barthel, D., see Arnold, K. (1022) 303
Barton, D.W., see Fischer, T.H. (1022) 215
Beaumelle, B., see Simões, A.P. (1022) 135
Benedetti, A., see Fulceri, R. (1022) 129
Benz, R., Kottke, M. and Brdiczka, D.
The cationically selective state of the mitochondrial outer membrane pore: a study with intact mitochondria and reconstituted mitochondrial porin (1022) 311
Binder, H., see Lasch, J. (1022) 171
Blechner, S.L., Skita, V. and Rhodes, D.G.
Structure of polymerizable lipid bilayers: water profile of a diacetylenic lipid bilayer using elastic neutron scattering (1022) 291
Blot-Chabaud, M., Jaisser, F., Bonvalet, J.-P. and Farman, N.
Effect of cell sodium on Na^+/K^+-ATPase-dependent sodium efflux in cortical collecting tubule of rabbits under different aldosterone status (1022) 126
Bobrowska, M., see Mosior, M. (1022) 355
Bode, H.-P., Friebel, C. and Fuhrmann, G.F.
Vanadium uptake by yeast cells (1022) 163
Bonvalet, J.-P., see Blot-Chabaud, M. (1022) 126
Brdiczka, D., see Benz, R. (1022) 311
Breitbart, H., Wehbie, R.S., San Agustin, J. and Lardy, H.A.
Inhibition by caltrin of calcium transport into spermatozoa, liver and heart mitochondria (1022) 27
Breuer, W.
Reconstitution of a kidney chloride channel and its identification by covalent labeling (1022) 229
Butterfield, D.A., see Wyse, J.W. (1022) 87
Byers, D.M., see Morris, S.J. (1022) 339

Cardenas, D., see Tilcock, C. (1022) 181
Cook, H.W., see Morris, S.J. (1022) 339
Cook, N.J., see Wohlfart, P. (1022) 283
Cox, T.C., Grieme, M. and Woods, R.
Effects of isoproterenol on Na^+ and K^+ transport in frog skin epithelium (1022) 41

Das, L., see Young, G.P. (1022) 393
Davies, D.E., see Grainger, D.W. (1022) 146
Dimitrov, D.S. and Sowers, A.E.
Membrane electroporation – fast molecular exchange by electroosmosis (1022) 381
Doonan, S., see Passarella, S. (1022) 273
Drai, P., Albertini-Berhaut, J., Lafaurie, M., Sudaka, P. and Giudicelli, J.
Simultaneous preparation of basolateral and brush-border membrane vesicles from sea bass intestinal epithelium (1022) 251
Dunn, F., see Ma, L.D. (1022) 17

Ellory, J.C., see Pittman, S.J. (1022) 408

Fajardo, L., see Tilcock, C. (1022) 181
Farman, N., see Blot-Chabaud, M. (1022) 126
Ferguson, D.C., see Hoenig, M. (1022) 333
Fernandez-Salguero, P., Henao, F., Laynez, J. and Gutierrez-Merino, C.
Modulation of the sarcoplasmic reticulum ($Ca^{2+} + Mg^{2+}$)-ATPase by pentobarbital (1022) 33
Fischer, T.H., Griffin, A.M., Barton, D.W. and White, II, G.C.
Kinetic evidence that arachidonate-induced calcium efflux from platelet microsomes involves a carrier-type ionophoric mechanism (1022) 215
Fong, A.D., Handlogten, M.E. and Kilberg, M.S.
Substrate-dependent adaptive regulation and trans-inhibition of System A-mediated amino acid transport. Studies using rat hepatoma plasma membrane vesicles (1022) 325
Franco, R.S., see Wyse, J.W. (1022) 87
Friebel, C., see Bode, H.-P. (1022) 163
Friedlander, G., Le Grimellec, C. and Amiel, C.
Increase in membrane fluidity modulates sodium-coupled uptakes and cyclic AMP synthesis by renal proximal tubular cells in primary culture (1022) 1
Fuhrmann, G.F., see Bode, H.-P. (1022) 163
Fulceri, R., Romani, A., Pompella, A. and Benedetti, A.
Glucose 6-phosphate stimulation of MgATP-dependent Ca^{2+} uptake by rat kidney microsomes (1022) 129

Gawrisch, K., see Lasch, J. (1022) 171
Giudicelli, J., see Drai, P. (1022) 251
Gómez-Fernández, J.C., see Micol, V. (1022) 194
Gomułkiewicz, J., see Mosior, M. (1022) 355
Gomułkiewicz, J., see Mosior, M. (1022) 361
Grainger, D.W., Reichert, A., Ringsdorf, H., Salesse, C., Davies, D.E. and Lloyd, J.B.
Mixed monolayers of natural and polymeric phospholipids: structural characterization by physical and enzymatic methods (1022) 146
Grieme, M., see Cox, T.C. (1022) 41
Griffin, A.M., see Fischer, T.H. (1022) 215
Grinstein, S., see Swallow, C.J. (1022) 203
Gutierrez-Merino, C., see Fernandez-Salguero, P. (1022) 33

Hadžić, A., Sabolić, I. and Banfić, H.
Stimulation of ATP-driven Ca^{2+} pump in the basal-lateral plasma membranes of kidney cortex during compensatory renal growth (1022) 265
Haldar, D., see Pavlica, R.J. (1022) 115

Handlogten, M.E., see Fong, A.D. (1022) 325
Henao, F., see Fernandez-Salguero, P. (1022) 33
Herold, W., see Arnold, K. (1022) 303
Hesler, C.B., see Pavlica, R.J. (1022) 115
Higgins Jr., J.T., see Thurman, C.L. (1022) 79
Hirshfield, I.N., see Pavlica, R.J. (1022) 115
Hoenig, M., Lee, R.J. and Ferguson, D.C.
Glucose inhibits the high-affinity (Ca^{2+} + Mg^{2+})-ATPase in the plasma membrane of a glucose-responsive insulinoma (1022) 333
Hoffmann, J., see Lasch, J. (1022) 171
Hoffmann, S.K., see Rybczynska, M. (1022) 260
Holland, J.W. and Stevenson, P.M.
Composition of the inner mitochondrial membrane of porcine corpus luteum (1022) 401
Holmberg, S.R.M. and Williams, A.J.
The cardiac sarcoplasmic reticulum calcium-release channel: modulation of ryanodine binding and single-channel activity (1022) 187
Horton, A.A. and Wood, J.M.
Prevention of thromboxane B_2-induced hepatocyte plasma membrane bleb formation by certain prostaglandins and a proteinase inhibitor (1022) 319
Huang, L., see Liu, D. (1022) 348

Ignatowicz, R., see Rybczynska, M. (1022) 260
Iwashima, A., Kawasaki, Y. and Kimura, Y.
Transport of 2-methyl-4-amino-5-hydroxymethylpyrimidine in *Saccharomyces cerevisiae* (1022) 211
Izumida, Y., see Maeda, N. (1022) 72

Jaisser, F., see Blot-Chabaud, M. (1022) 126

Kato, T., see Ono, S. (1022) 237
Kawasaki, Y., see Iwashima, A. (1022) 211
Kier, A.B.
Membrane properties of metastatic and non-metastatic cells cultured from C_3H mice injected with LM fibroblasts (1022) 365
Kilberg, M.S., see Fong, A.D. (1022) 325
Kimura, Y., see Iwashima, A. (1022) 211
King, S.C. and Wilson, T.H.
Mechanism of enhanced melibiose transport rate catalyzed by an *Escherichia coli* lactose carrier mutant with leucine substituted for serine-306.The pH-dependence of melibiose efflux (1022) 373
Klibanov, A.A., see Lasch, J. (1022) 171
Kordowiak, A.M., Wojas, J. and Subczynski, W.K.
Fluidity of rat liver Golgi membranes in streptozotocin diabetes. A spin label study (1022) 296
Korstanje, L.J., Van Ginkel, G. and Levine, Y.K.
Effects of steroid molecules on the dynamical structure of dioleoylphosphatidylcholine and digalactosyldiacylglycerol bilayers (1022) 155
Kottke, M., see Benz, R. (1022) 311

Lafaurie, M., see Drai, P. (1022) 251
Lardy, H.A., see Breitbart, H. (1022) 27
Lasch, J., Hoffmann, J., Omelyanenko, W.G., Klibanov, A.A., Torchilin, V.P., Binder, H. and Gawrisch, K.
Interaction of Triton X-100 and octyl glucoside with liposomal membranes at sublytic and lytic concentrations. Spectroscopic studies (1022) 171
Laynez, J., see Fernandez-Salguero, P. (1022) 33
Lee, R.J., see Hoenig, M. (1022) 333
Lee, S., see Ono, S. (1022) 237
Le Grimellec, C., see Friedlander, G. (1022) 1
Levine, Y.K., see Korstanje, L.J. (1022) 155
Lipfert, L., see Pavlica, R.J. (1022) 115
Liu, D. and Huang, L.
pH-sensitive, plasma-stable liposomes with relatively prolonged residence in circulation (1022) 348
Lloyd, J.B., see Grainger, D.W. (1022) 146

Ma, L.D., Magin, R.L. and Dunn, F.
The effects of A23187 on the phospholipid phase transition of large unilamellar vesicles (LUVs) as detected by ultrasound spectroscopy (1022) 17
Ma, S.-M., see Tsai, Y.-S. (1022) 245
MacDougall, P., see Tilcock, C. (1022) 181
Madeira, V.M.C., see Antunes-Madeira, M.C. (1022) 110
Maeda, N., Seike, M., Nakajima, T., Izumida, Y., Sekiya, M. and Shiga, T.
Contribution of glycoproteins to fibrinogen-induced aggregation of erythrocytes (1022) 72
Magin, R.L., see Ma, L.D. (1022) 17
Malo, C.
Separation of two distinct Na^+/D-glucose cotransport systems in the human fetal jejunum by means of their differential specificity for 3-*O*-methylglucose (1022) 8
Marra, E., see Passarella, S. (1022) 273
Menon, S., see Schick, P.K. (1022) 49
Micol, V., Aranda, F.J., Villalaín, J. and Gómez-Fernández, J.C.
Influence of vitamin E on phosphatidylethanolamine lipid polymorphism (1022) 194
Mihara, H., see Ono, S. (1022) 237
Mikołajczak, A., see Mosior, M. (1022) 361
Moll, G.N., see Simões, A.P. (1022) 135
Morris, S.J., Cook, H.W., Byers, D.M., Spence, M.W. and Palmer, F.B.S.C.
Phosphoinositide metabolism in cultured glioma and neuroblastoma cells: subcellular distribution of enzymes indicate incomplete turnover at the plasma membrane (1022) 339
Mosior, M., Bobrowska, M. and Gomułkiewicz, J.
Effect of the level of ATP and of the state of spectrin on osmotic properties of bovine erythrocytes (1022) 355
Mosior, M., Mikołajczak, A. and Gomułkiewicz, J.
The effect of ATP on the order and the mobility of lipids in the bovine erythrocyte membrane (1022) 361

Nakajima, T., see Maeda, N. (1022) 72
Newbold, C.I., see Pittman, S.J. (1022) 408
Nishimura, S., see Tsai, Y.-S. (1022) 245

Omelyanenko, W.G., see Lasch, J. (1022) 171
Ono, S., Lee, S., Mihara, H., Aoyagi, H., Kato, T. and Yamasaki, N.
Design and synthesis of basic peptides having amphipathic β-structure and their interaction with phospholipid membranes (1022) 237
Op den Kamp, J.A.F., see Simões, A.P. (1022) 135

Palmer, F.B.S.C., see Morris, S.J. (1022) 339
Passarella, S., Marra, E., Atlante, A., Barile, M., Doonan, S. and Quagliariello, E.
Uptake of aspartate aminotransferase into mitochondria in vitro causes efflux of malate dehydrogenase and vice versa (1022) 273
Pavlica, R.J., Hesler, C.B., Lipfert, L., Hirshfield, I.N. and Haldar, D.
Two-dimensional gel electrophoretic resolution of the polypeptides of rat liver mitochondria and the outer membrane (1022) 115
Pawlak, A.L., see Rybczynska, M. (1022) 260
Pittman, S.J., Ellory, J.C., Tucker, E.M. and Newbold, C.I.
Identification of a 25 kDa polypeptide associated with the L antigen in low potassium-type sheep red cells (1022) 408
Plagemann, P.G.W., Aran, J.M. and Woffendin, C.
Na^+-dependent, active and Na^+-independent, facilitated transport of formycin B in mouse spleen lymphocytes (1022) 93

Plagemann, P.G.W., Aran, J.M., Wohlhueter, R.M. and Woffendin, C.
Mobility of nucleoside transporter of human erythrocytes differs greatly when loaded with different nucleosides (1022) 103
Pompella, A., see Fulceri, R. (1022) 129

Quagliariello, E., see Passarella, S. (1022) 273

Reichert, A., see Grainger, D.W. (1022) 146
Rhodes, D.G., see Blechner, S.L. (1022) 291
Ringsdorf, H., see Grainger, D.W. (1022) 146
Roelofsen, B., see Simões, A.P. (1022) 135
Romani, A., see Fulceri, R. (1022) 129
Rotstein, O.D., see Swallow, C.J. (1022) 203
Rybczynska, M., Pawlak, A.L., Hoffmann, S.K. and Ignatowicz, R.
Carriers of ataxia-telangiectasia gene display additional protein fraction and changes in the environment of SH groups in erythrocyte membrane (1022) 260

Sabolić, I., see Hadžić, A. (1022) 265
Salesse, C., see Grainger, D.W. (1022) 146
San Agustin, J., see Breitbart, H. (1022) 27
Schick, P.K., Menon, S. and Wojenski, C.
Effects of marine oil-enriched diets on guinea pig megakaryocyte and platelet lipids: effects on thromboxane synthesis and platelet function (1022) 49
Seike, M., see Maeda, N. (1022) 72
Sekiya, M., see Maeda, N. (1022) 72
Shiga, T., see Maeda, N. (1022) 72
Simões, A.P., Moll, G.N., Beaumelle, B., Vial, H.J., Roelofsen, B. and Op den Kamp, J.A.F.
Plasmodium knowlesi induces alterations in phosphatidylcholine and phosphatidylethanolamine molecular species composition of parasitized monkey erythrocytes (1022) 135
Skita, V., see Blechner, S.L. (1022) 291
Solomon, A.K., see Toon, M.R. (1022) 57
Sowers, A.E., see Dimitrov, D.S. (1022) 381
Spence, M.W., see Morris, S.J. (1022) 339
Stevenson, P.M., see Holland, J.W. (1022) 401
Subczynski, W.K., see Kordowiak, A.M. (1022) 296
Sudaka, P., see Drai, P. (1022) 251
Swallow, C.J., Grinstein, S. and Rotstein, O.D.
Regulation of cytoplasmic pH in resident and activated peritoneal macrophages (1022) 203

Thurman, C.L. and Higgins Jr., J.T.
Norepinephrine stimulation of sodium transport in *Necturus* urinary bladder (1022) 79
Tilcock, C., MacDougall, P., Unger, E., Cardenas, D. and Fajardo, L.
The effect of lipid composition on the relaxivity of Gd-DTPA entrapped in lipid vesicles of defined size (1022) 181
Toon, M.R. and Solomon, A.K.
Transport parameters in the human red cell membrane: solute–membrane interactions of hydrophilic alcohols and their effect on permeation (1022) 57
Torchilin, V.P., see Lasch, J. (1022) 171
Tsai, Y.-S., Ma, S.-M., Nishimura, S. and Ueda, I.
Infrared spectra of phospholipid membranes: interfacial dehydration by volatile anesthetics and phase transition (1022) 245
Tucker, E.M., see Pittman, S.J. (1022) 408

Ueda, I., see Tsai, Y.-S. (1022) 245
Unger, E., see Tilcock, C. (1022) 181

Van Ginkel, G., see Korstanje, L.J. (1022) 155
Vial, H.J., see Simões, A.P. (1022) 135
Vienhues, R., see Wohlfart, P. (1022) 283
Villalaín, J., see Micol, V. (1022) 194

Wehbie, R.S., see Breitbart, H. (1022) 27
White, II, G.C., see Fischer, T.H. (1022) 215
Williams, A.J., see Holmberg, S.R.M. (1022) 187
Wilson, T.H., see King, S.C. (1022) 373
Woffendin, C., see Plagemann, P.G.W. (1022) 103
Woffendin, C., see Plagemann, P.G.W. (1022) 93
Wohlfart, P., Vienhues, R. and Cook, N.J.
Spectrophotometric determination of photoreceptor cGMP-gated channel Mg^{2+}-fluxes using dichlorophosphonazo III (1022) 283
Wohlhueter, R.M., see Plagemann, P.G.W. (1022) 103
Wojas, J., see Kordowiak, A.M. (1022) 296
Wojenski, C., see Schick, P.K. (1022) 49
Wood, J.M., see Horton, A.A. (1022) 319
Woods, R., see Cox, T.C. (1022) 41
Wyse, J.W., Franco, R.S., Barker, R., Yacko, M.A. and Butterfield, D.A.
Membrane processes associated with the osmotic-pulse incorporation of inositol hexaphosphate (1022) 87

Yacko, M.A., see Wyse, J.W. (1022) 87
Yamasaki, N., see Ono, S. (1022) 237
Young, G.P. and Das, L.
Influence of duodenal secretions and its components on release and activities of human brush-border enzymes (1022) 393

Zschoernig, O., see Arnold, K. (1022) 30